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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/890,266	03/27/2002	Tadao Ohno	P21324	9535	
7055 7590 10/23/2006 .			EXAM	EXAMINER	
	JM & BERNSTEIN, I	L.C.	YU, MISOOK		
1950 ROLAND CLARKE PLACE RESTON, VA 20191			ART UNIT	PAPER NUMBER	
1231311,			1642		

DATE MAILED: 10/23/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/890,266	OHNO ET AL.				
Office Action Summary	Examiner	Art Unit				
	MISOOK YU, Ph.D.	1642				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period or - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from a c. cause the application to become ABANDONE	I. sely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status		•				
1) ■ Responsive to communication(s) filed on <u>03 A</u> 2a) ■ This action is FINAL . 2b) ■ This 3) ■ Since this application is in condition for alloware closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro					
Disposition of Claims						
4) Claim(s) 1 and 3-19 is/are pending in the applies 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1,3-7,9,11-16,18 and 19 is/are rejected 7) Claim(s) 8, 9, 17 is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examines 10) The drawing(s) filed on is/are: a) accomposite and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examines 11.	wn from consideration. ed. r election requirement. er. epted or b) objected to by the Edrawing(s) be held in abeyance. Seetion is required if the drawing(s) is objected to by the drawing(s).	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary (Paper No(s)/Mail Da 5) Notice of Informal Pa	te				

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DETAILED ACTION

Claims 1 and 3-19 are pending and under prosecution.

Claim Rejections - 35 USC § 102, Maintained

Claims 1, 3-7, 9, 11-16, 18, and 19 are rejected under 35 U.S.C. 102(b) as being anticipated by US Pat. 5, 861,159 (19 January 1999).

Claim 1, and its dependent claims are drawn to a composition comprising two main components of (1) "a microparticle" comprising a fragment of solidified tumor tissues or cells, wherein the size of the fragment to allow phagocytosis, and (2) at least one isolated cytokine or cytokine-inducing agent, wherein the dependent claim 3 further limits that the composition of the base claim further comprises an adjuvant, wherein claim 4, 5, 12-16 further limit the base claim that the tumor vaccine comprises granulocyte-macrophage-colony stimulating factor (GM-CSF), interleukin- 2, or a cytokine-controlled release preparation, and claim 19 further limits that the fragment of the base claim is a tumor antigen bound to a particle. Claim 6 is drawn to vaccine composition comprising a microparticle" comprising a fragment of solidified tumor tissues or cells, wherein the size of the fragment to allow phagocytosis, and the vaccine further comprises an adjuvant in the dependent claim 7.

Applicant argues that the prior art of record uses irradiated tumor tissues or cells, which do not resemble the claimed "solidified tumor tissues or cells".

This argument has been fully considered but found unpersuasive.

The '159 patent at column 13, lines 1-10 discloses:

FIG. 2 shows the histology of immunization sites from B16F10 melanoma mixed with gelatin/chondroitin sulfate beads. C57BL6 mice were immunized subcutaneously with 1.times.10.sup.6 irradiated B16-F10 melanoma cells admixed with 1.times.10.sup.6 gelatin/chondroitin sulfate microspheres containing either nothing (control) (A,B).

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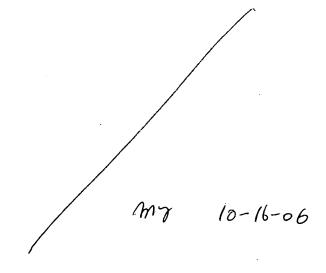
.gamma.-IFN (C,D), or GM-CSF (E,F). FIGS. 2G and 2H show GM-CSF transfectants at 7 days and 12 days, respectively. Sites were biopsied at either 7 days (A,C,E) or 12 days (B,D,F) after immunization and stained with hematoxylin and eosin (Magnification .times.400).

The tumor vaccine used in Fig. 2 C-H are tumor vaccine comprising a microparticle comprising cells, without soluble tumor antigen from the solidified tumor tissues or cells being present in a soluble form, because the tumor cells mixed with gelatin/chondroitin sulfate beads are not soluble, i.e. they would not be in the supernatant if centrifuged at 15,000 rpm for 3 minutes (see page 19 of the instant specification).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MISOOK YU, Ph.D. whose telephone number is 571-272-0839. The examiner can normally be reached on 8 A.M. to 5:30 P.M., every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Siew can be reached on 571-272-0787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



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MISOOK YU, Ph.D. Primary Examiner Art Unit 1642